

WEEKLY CROP-WEATHER

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MINNESOTA AGRICULTURAL STATISTICS SERVICE IN COOPERATION WITH THE NATIONAL WEATHER SERVICE
TWIN CITIES INT'L AIRPORT, UNIV. OF MINN. EXTENSION SERVICE, AND STATE CLIMATOLOGY, DNR

HOT AND HUMID

Hot and humid conditions accelerated crop development, according to the Minnesota Agricultural Statistics Service. While crop conditions improved across the state, crops in light, sandy soils are beginning to show signs of stress. The statewide average temperature was 6.7 degrees above normal while the statewide average precipitation was 0.63 inch below normal. The hot temperatures removed excess moisture which allowed fields to support equipment for herbicide application. Spraying was still delayed in some areas due to strong winds.

Corn height averaged 21 inches, an increase of 8 inches. This height compares to 33 inches last year and 31 inches for the 5-year average. The corn condition rating of good to excellent is 52%, up 6 percentage points from the previous week.

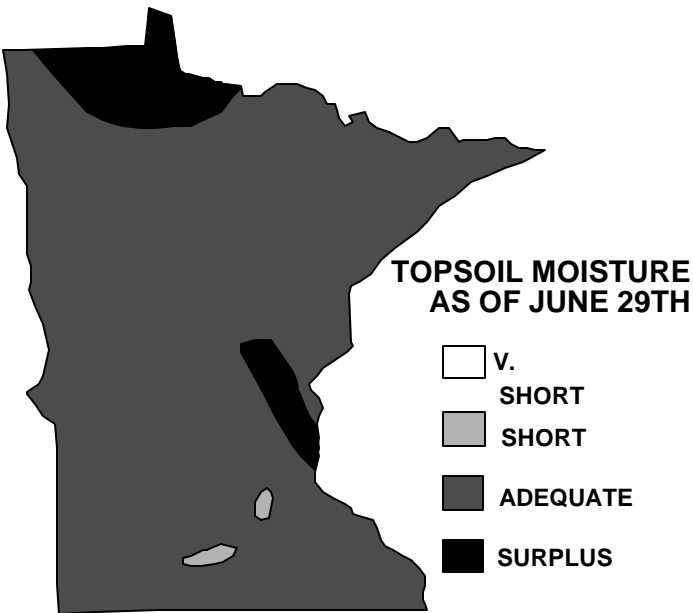
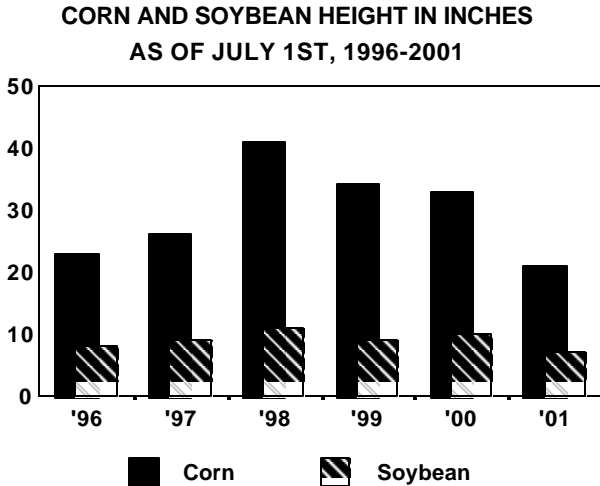
Soybean height averaged 7 inches, compared with 10 inches this time last year. The 5-year average is 9 inches. The soybean condition rating of good to excellent is 49%, compared to last week's rating of 45%.

Spring wheat is 78% jointed, compared with 95% last year and 86% for the 5-year average. Spring wheat is heading on 35% of the acres, compared to 79% a year ago and 55% for the 5-year average. Spring wheat conditions are rated 82% good to excellent, compared to the rating the previous week of 63%.

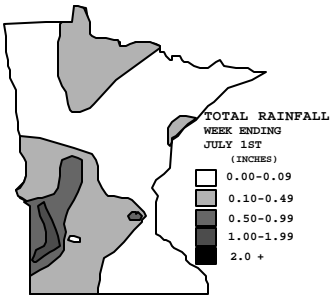
Pasture conditions are rated as 70% good to excellent. The first cutting of alfalfa hay is nearly complete at 91%, compared to the 5-year average of 94%.

Topsoil moisture conditions across the state as of June 29th were rated 7% short, 75% adequate, and 18% surplus.

Days Suitable for Fieldwork: 6.0								
		Very Short	Short	Ade-quate	Surplus			
Topsoil Moisture (%)		0	7	75	18			
Crop Progress as of July 1, 2001								
Crop	Stage of Development	5 Yr Avg	Last Year	Last Week	This Week			
-----Percent-----								
Corn	Height-Inches	31	33	13	21			
Soybeans	Height-Inches	9	10	5	7			
Spring Wheat	Jointed	86	95	41	78			
	Heading	55	79	8	35			
Oats	Jointed	95	96	68	87			
	Heading	70	79	15	49			
Barley	Jointed	87	95	45	83			
	Heading	48	77	8	38			
Sweet Corn	Planted	99	99	91	98			
Alfalfa Hay	First Cutting	94	93	77	91			
Crop Condition as of June 29 th								
	V. Poor	Poor	Fair	Good	Exc.			
Pasture	1	3	26	56	14			
Corn	1	9	38	45	7			
Soybeans	2	11	38	43	6			
Spring Wheat	1	4	13	70	12			
Oats	2	4	25	55	14			
Barley	1	4	14	69	12			
Sugarbeets	1	5	25	61	8			
District Progress as of June 29, 2001								
CROP	NW	NC	WC	CENT	EC	SW	SC	SE
Corn height	12	15	17	18	13	20	19	18
Soybean height	6	6	6	7	5	7	6	6



PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING JULY 1,2001:
Temperatures averaged from 4.6 degrees above normal in the
Northeast District to 7.8 degrees above normal in the
Central District. Extremes: 39° in Moorhead, Intl. Falls;99°
in Redwood Falls. Precipitation averaged from 0.06 inch below
normal in the West Central District to 0.95 inch below normal
in the Southeast District. Greatest weekly total was 1.63
inches.



Precipitation and Temperature Summary for 06/25/2001 through 07/01/2001

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Week	From Four Weeks	Norm Since 4/1	Since May 16	Depart from Norm
<u>NW DIST 1</u>										
Crookston	88	40	72.1	4.5	0	-.77	-2.09	-1.77	648	-4
Moorhead	95	39	74.1	5.4	.03	-.63	-.02	1.08	654	-36
Warroad	84m	68m	76.0m	10.8m	.45m	-.43m	-.37m	4.65m	462m	-91m
<u>NC DIST 2</u>										
Grand Rapids	93	42	73.0	7.9	0	-.97	-.30	4.39	629	71
Intl. Falls	93	39	69.7	5.2	.37	-.57	-.94	3.02	575	35
Itasca	93	40	72.5	7.1	.15	-.82	-.89	1.82	586	19
<u>NE DIST 3</u>										
Duluth	90	42	69.1	5.9	.40	-.48	-.95	5.31	491	22
Grand Marais	83	45	58.8	1.5	0	-.81	-.94	5.93	222	-92
Hibbing	91	40	69.6	6.3	.01	-.92	-1.86	.79	537	41
<u>WC DIST 4</u>										
Alexandria	96	48	74.4	5.4	.48	-.42	-2.64m	-.74m	616	-75
Browns Valley	98	48	77.5	7.7	.42	-.41	-.39	4.14	688	-30
Canby	98	51	79.8	8.1	.85	-.05	.28	6.43	743	-43
Fergus Falls	97	58	77.4	9.2	.38	-.49	2.06	5.40	687	16
Montevideo	98	51	78.0	7.4	1.13	.27	.74	5.35	696	-64
Morris	98	49	76.8	8.0	1.62	.76	1.75	5.58	693	-1
<u>CENT DIST 5</u>										
Becker	97	48	77.4	9.4	.29	-.73	-.35	4.21	688	27
Hutchinson	96	53	79.0	8.5	.37	-.60	-.44	4.00	728	-25
Olivia	97	53	77.9	6.5	0	-.90	-1.31	2.33	725	-63
St. Cloud	96	47	75.1	7.3	.02	-.95	-1.33	5.36	637	-19
Staples	94	44	74.4	7.8	.71	-.32	4.23	7.80	614	-1
Willmar	98	51	77.2	7.2	.89	-.19	-1.35	1.57	698	-41
<u>EC DIST 6</u>										
Aitkin	90	41	72.9	6.8	0	-.99	.43	6.03	637	47
Cambridge	92	51	75.2	6.6	0	-1.01	.75	7.16	599	-91
MSP Airport	97	53	77.8	6.4	.51	-.40	1.97	7.90	729	-51
St. Paul - UofM	96	53	80.2	8.7	.13	-.94	-.31	6.04	756	-57
<u>SW DIST 7</u>										
Lamberton	98	54	78.6	7.6	.39	-.47	-1.16	3.41	716	-67
Pipestone	96	52	76.3	6.9	1.63	.75	1.58	6.16	698	-15
Redwood Falls	99	53	76.5	4.3	1.07	.18	-1.16	2.69	706	-123
Worthington	97	55	78.5	8.5	.34	-.57	.77	6.26	721	-15
<u>SC DIST 8</u>										
Faribault	95	43	76.0	5.9	.03	-.84	1.82	5.75	686	-53
Waseca	96	55	78.4	8.6	0	-.97	2.28	6.12	716	-25
Winnebago	94	56	77.0	6.6	.02	-1.00	.48	5.91	717	-42
<u>SE DIST 9</u>										
Preston	90	56	74.6	5.8	0	-.99	-1.69	3.26	682	-7
Red Wing	93	55	77.6	9.5	0	-1.03	.94	2.57	716	58
Rochester	91	52	74.6	5.3	0	-.92	.74	9.56	643	-69
Rosemount	94	53	77.5	7.5	.04	-.94	-.24	3.49	685	-44
Winona	92	60	77.0	6.2	0	-.88	.44	3.95	701	-53

m=some data missing

Corn growing degree days (GDD) are calculated by subtracting a 50 degree base temperature from the average of the maximum and minimum temperature for the day. The daily maximum is limited to 86 degrees and minimum of 50 degrees.

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